CIVIL XPERTS
ISO 9001:2008
CONSULTANTS & TESTING CENTER

174, Sri Ranga Complex
Amrutha Nagar Main Road
New Bank Colony, Konanakunte
Bangalore - 560 062.
Mobile : +91 97429 59595
Tele/Fax : 080-2632 2565
E-mail : civilexpertsltd@gmail.com
URL : www.civilexperts.in

NABL ACCREDITED AS PER ISO/IEC 17025:2005

Job No.: CECTC-AK-YD-2016-17 Date: 02.02.2017

TEST REPORT

CLIENT	:	**Assistant Executive Engineer,** Yelahanka Sub Division, BBMP, Bangalore.
AGENCY	:	**Sri.Anilkumar.S.N, (Sainath Santhosh),** Bangalore.
NAME OF THE WORK	:	Providing Water Supply and improvements to dry west collation center at KPTCL Sub Station in Yelahanka 5th Phase of Ward No.02.
REFERENCE	:	EE(YNK.D)/E-PMT-8/W.O/417/2013-14 Dated:21.01.2014
SAMPLE ID	:	Cement
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-1989
1	a) Initial Setting Time	IS-4031 (Part -5)	150 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	360 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	28.50 %	-

Note:

⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒ Any Query regarding the report must be reported within 90 days from the date of testing.

For Civil Expert

Authorised Signature

CIVIL EXPERTS
ISO 9001:2008
CONSULTANTS & TESTING CENTER

174, Sri Ranga Complex
Amrutha Nagar Main Road
New Bank Colony, Konanakunte
Bangalore - 560 062.
Mobile : +91 97429 59595
Tele/Fax : 080-2632 2565
E-mail : civilexpertsltd@gmail.com
URL : www.civilexperts.in

NABL ACCREDITED AS PER ISO/IEC 17025:2005

Job No.: CECTC-AK-YD-2016-17 Date : 02.02.2017

TEST REPORT ON FINE AGGREGATES (SAND)
IS 383-1970 (RA- 2002)

Client : **Assistant Executive Engineer,** Yelahanka Sub Division, BBMP, Bangalore.

Agency : **Sri.Anilkumar.S.N, (Sainath Santhosh),** Bangalore.

Name of Work : Providing Water Supply and improvements to dry west collation center at KPTCL Sub Station in Yelahanka 5th Phase of Ward No.02.

Reference : EE(YNK.D)/E-PMT-8/W.O/417/2013-14 Dated:21.01.2014

Date of Testing : 02.02.2017

Material : Sand Total Wt. of Aggregates **1500**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	96	6.40	6.40	93.6	90-100
2.36	245	16.33	22.73	77.3	75-100
1.18	298	19.87	42.60	57.4	55-90
600 Micron	312	20.80	63.40	36.6	35-59
300 Micron	315	21.00	84.40	15.6	8-30
150 Micron	203	13.53	97.93	2.1	0-10

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 90 days from the date of testing.

'or Civil Expert

Authorised Signature

CIVIL EXPERTS
ISO 9001:2008
CONSULTANTS & TESTING CENTER

174, Sri Ranga Complex
Amrutha Nagar Main Road
New Bank Colony, Konanakunte
Bangalore - 560 062.
Mobile : +91 97429 59595
Tele/Fax : 080-2632 2565
E-mail : civilexpertsltd@gmail.com
URL : www.civilexperts.in

NABL ACCREDITED AS PER ISO/IEC 17025:2005

Job No.: CECTC-AK-YD-2016-17

Date : 02.02.2017

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

Client : **Assistant Executive Engineer,** Yelahanka Sub Division, BBMP, Bangalore.

Agency : **Sri.Anilkumar.S.N, (Sainath Santhosh),** Bangalore.

Name of Work : Providing Water Supply and improvements to dry west collation center at KPTCL Sub Station in Yelahanka 5th Phase of Ward No.02.

Reference : EE(YNK.D)/E-PMT-8/W.O/417/2013-14 Dated:21.01.2014

Date of Testing : 02.02.2017

Material : 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
80	0	0	0	100	100
40	485	3.23	3.23	96.77	95-100
20	8265	55.10	58.33	41.67	30-70
10	3241	21.61	79.94	20.06	10-35
4.75	2541	16.94	96.88	3.12	0-5

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 90 days from the date of testing.

'or Civil Expert

Authorised Signature

CIVIL EXPERTS
ISO 9001:2008
CONSULTANTS & TESTING CENTER

174, Sri Ranga Complex
Amrutha Nagar Main Road
New Bank Colony, Konanakunte
Bangalore - 560 062.
Mobile : +91 97429 59595
Tele/Fax : 080-2632 2565
E-mail : civilexpertsltd@gmail.com
URL : www.civilexperts.in

NABL ACCREDITED AS PER ISO/IEC 17025:2005

Job No.: CECTC-AK-YD-2016-17 Date : 02.02.2017

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

Client : **Assistant Executive Engineer,** Yelahanka Sub Division, BBMP, Bangalore.

Agency : **Sri.Anilkumar.S.N, (Sainath Santhosh),** Bangalore.

Name of Work : Providing Water Supply and improvements to dry west collation center at KPTCL Sub Station in Yelahanka 5th Phase of Ward No.02.

Reference : EE(YNK.D)/E-PMT-8/W.O/417/2013-14 Dated:21.01.2014

Date of Testing : 02.02.2017

Material : 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
40	0	0	0	100	100
20	198	4.0	4.0	96.0	95-100
10	2254	45.1	49.0	51.0	25-55
4.75	2110	42.2	91.2	8.8	0-10

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 90 days from the date of testing.

'or Civil Expert

Authorised Signature

CIVIL XPERTS
ISO 9001:2008
CONSULTANTS & TESTING CENTER

174, Sri Ranga Complex
Amrutha Nagar Main Road
New Bank Colony, Konanakunte
Bangalore - 560 062.
Mobile : +91 97429 59595
Tele/Fax : 080-2632 2565
E-mail : civilexpertsltd@gmail.com
URL : www.civilexperts.in

NABL ACCREDITED AS PER ISO/IEC 17025:2005

Job No.: CECTC-AK-YD-2016-17 Date: 03.02.2017

TEST RESULTS OF PHYSICAL PROPERTIES OF REINFORCEMENT STEEL

Client : **Assistant Executive Engineer,** Yelahanka Sub Division, BBMP, Bangalore.
Contractor : **Sri.Anilkumar.S.N, (Sainath Santhosh),** Bangalore.
Name of Work : Providing Water Supply and improvements to dry west collation center at KPTCL Sub Station in Yelahanka 5th Phase of Ward No.02.
Reference : EE(YNK.D)/E-PMT-8/W.O/417/2013-14 Dated:21.01.2014
Sample Identification : 8mm, 10mm, 12mm TMT Fe 500 Bars
Technical Reference : IS 1786:2008, IS 1608:2005, IS 1599:1985 (Reaffirmed 2006)
Date of test : 03.02.2017

S.No	Brand	Nominal size (dia in mm)	Mass per metre (kg/metre)	TENSILE STRENGTH		
				0.20 % proof stress/ yield stress ($N/mm^{2)}$	Tensile strength ($N/mm^{2)}$	Elongation, percent on gauge length
1	Fe 500	8	0.395	521	551	15
2	Fe 500	10	0.620	545	562	16
3	Fe 500	12	0.889	569	578	17

Note:
1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 90 days from the date of testing.

'or Civil Expert

Authorised Signature

CIVIL EXPERTS
ISO 9001:2008
CONSULTANTS & TESTING CENTER

174, Sri Ranga Complex
Amrutha Nagar Main Road
New Bank Colony, Konanakunte
Bangalore - 560 062.
Mobile : +91 97429 59595
Tele/Fax : 080-2632 2565
E-mail : civilexpertsltd@gmail.com
URL : www.civilexperts.in

NABL ACCREDITED AS PER ISO/IEC 17025:2005

Job No.: CECTC-AK-YD-2016-17 Date: 07.03.2017

TEST REPORT ON CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yelahanka Sub Division, BBMP, Bangalore.

Agency : **Sri.Anilkumar.S.N, (Sainath Santhosh),** Bangalore.

Name of the work : Providing Water Supply and improvements to dry west collation center at KPTCL Sub Station in Yelahanka 5th Phase of Ward No.02.

Reference : EE(YNK.D)/E-PMT-8/W.O/417/2013-14 Dated:21.01.2014

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	07.02.2017	07.03.2017	8.012	345.2	15.34
2	07.02.2017	07.03.2017	8.123	351.2	15.61
3	07.02.2017	07.03.2017	8.105	366.2	16.28

Note:
1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 90 days from the date of testing.

For Civil Expert

Authorised Signature

CIVIL XPERTS
ISO 9001:2008
CONSULTANTS & TESTING CENTER

174, Sri Ranga Complex
Amrutha Nagar Main Road
New Bank Colony, Konanakunte
Bangalore - 560 062.
Mobile : +91 97429 59595
Tele/Fax : 080-2632 2565
E-mail : civilexpertsltd@gmail.com
URL : www.civilexperts.in

NABL ACCREDITED AS PER ISO/IEC 17025:2005

Job No.: CECTC-AK-YD-2016-17 Date: 10.03.2017

TEST REPORT ON CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yelahanka Sub Division, BBMP, Bangalore.

Agency : **Sri.Anilkumar.S.N, (Sainath Santhosh),** Bangalore.

Name of the work : Providing Water Supply and improvements to dry west collation center at KPTCL Sub Station in Yelahanka 5th Phase of Ward No.02.

Reference : EE(YNK.D)/E-PMT-8/W.O/417/2013-14 Dated:21.01.2014

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	10.02.2017	10.03.2017	8.143	470.2	20.90
2	10.02.2017	10.03.2017	8.165	480.6	21.36
3	10.02.2017	10.03.2017	8.192	516.5	22.96

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 15 days from the date of testing.

'or Civil Expert

Authorised Signature

CIVIL EXPERTS
ISO 9001:2008
CONSULTANTS & TESTING CENTER

174, Sri Ranga Complex
Amrutha Nagar Main Road
New Bank Colony, Konanakunte
Bangalore - 560 062.
Mobile : +91 97429 59595
Tele/Fax : 080-2632 2565
E-mail : civilexpertsltd@gmail.com
URL : www.civilexperts.in

NABL ACCREDITED AS PER ISO/IEC 17025:2005

Job No.: CECTC-AK-YD-2016-17

Date: 10.03.2017

TEST REPORT ON CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yelahanka Sub Division, BBMP, Bangalore.

Agency : **Sri.Anilkumar.S.N, (Sainath Santhosh),** Bangalore.

Name of the work : Providing Water Supply and improvements to dry west collation center at KPTCL Sub Station in Yelahanka 5th Phase of Ward No.02.

Reference : EE(YNK.D)/E-PMT-8/W.O/417/2013-14 Dated:21.01.2014

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	10.02.2017	10.03.2017	8.172	486.2	21.61
2	10.02.2017	10.03.2017	8.190	492.2	21.88
3	10.02.2017	10.03.2017	8.176	520.4	23.13

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 15 days from the date of testing.

For Civil Expert

Authorised Signature

CIVIL XPERTS
ISO 9001:2008
CONSULTANTS & TESTING CENTER

174, Sri Ranga Complex
Amrutha Nagar Main Road
New Bank Colony, Konanakunte
Bangalore - 560 062.
Mobile : +91 97429 59595
Tele/Fax : 080-2632 2565
E-mail : civilexpertsltd@gmail.com
URL : www.civilexperts.in

NABL ACCREDITED AS PER ISO/IEC 17025:2005

Job No.: CECTC-AK-YD-2016-17 Date: 10.03.2017

TEST REPORT ON CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yelahanka Sub Division, BBMP, Bangalore.

Agency : **Sri.Anilkumar.S.N, (Sainath Santhosh),** Bangalore.

Name of the work : Providing Water Supply and improvements to dry west collation center at KPTCL Sub Station in Yelahanka 5th Phase of Ward No.02.

Reference : EE(YNK.D)/E-PMT-8/W.O/417/2013-14 Dated:21.01.2014

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	10.02.2017	10.03.2017	8.141	535.6	23.80
2	10.02.2017	10.03.2017	8.153	460.5	20.47
3	10.02.2017	10.03.2017	8.169	477.5	21.22

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 15 days from the date of testing.

For Civil Expert

Authorised Signature